

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME SHERWIN INCORPORATED		EMERGENCY TELEPHONE NO 213/861-6324
ADDRESS (Number, Street, City, State, and ZIP Code) 5530 Borwick Avenue, South Gate, CA. 90280-7402		
CAS No: 71-55-6	TRADE NAME AND SYNONYMS DR61 Cleaner/Remover	
CHEMICAL FAMILY Chlorinated Solvent	FORMULA C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>	

## SECTION II

## INGREDIENTS

Ingredient	Apprx %
1,1,1-trichloroethane, inhibited	96
1,2-Butylene oxide	unk
Diethylene Ether	unk
Mitromethane	unk

NOTE: Spray can package would include hydrocarbon propellant.  
Hydrocarbon propellant is extremely flammable.

Note special precautions for handling and storing spray can packages. Read the label.

SEE REVERSE SIDE FOR HEALTH HAZARD DATA

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	165	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.321
VAPOR PRESSURE (mm Hg.) @ 20 C	100	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	4.55	EVAPORATION RATE (butyl acetate = 1)	< 1
SOLUBILITY IN WATER	nil		
APPEARANCE AND ODOR colorless liquid, mild sweet odor			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	none	FLAMMABLE LIMITS	Lel 7.5	Uel 15.0
EXTINGUISHING MEDIA water fog				
SPECIAL FIRE FIGHTING PROCEDURES Firefighters should wear self-contained breathing apparatus. Use water spray to cool nearby containers and structures exposed to fire.				
UNUSUAL FIRE AND EXPLOSION HAZARDS Extinguish all nearby sources of ignition since vapors decompose to hazardous products at high temperatures.				

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL "CHEMTREC" (800) 424-9300.

## FIRST AID MEASURES

If inhaled: Remove to fresh air. Give artificial respiration if not breathing but never to an unconscious or convulsing person. Get immediate medical attention.

In case of eye contact: Immediately flush eyes with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally. Get immediate medical attention.

In case of skin contact: Immediately wash skin with lots of soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing.

If swallowed: Do NOT induce vomiting. Get immediate medical attention. If vomiting occurs spontaneously, keep victim's head below his hips to prevent his breathing vomitus into his lungs.

## HEALTH HAZARD INFORMATION

Primary routes of exposure: Inhalation, skin or eye contact.

Signs and symptoms of exposure. Inhalation: Minimal effects expected at exposures below 1,000 ppm. Dizziness, drowsiness, and throat irritation expected as a result of exposures above 1,000 ppm. Unconsciousness and death possible at exposures above 10,000 ppm. Blood pressure depression, cardiac sensitization, and ventricular arrhythmia can result from exposure to near anesthetic levels.

Eye contact: Liquid and vapors can irritate the eyes, with slight temporary corneal injury. May cause conjunctivitis.

Skin contact: Brief contact may dry the skin. Prolonged or repeated contact may irritate the skin, causing dermatitis. A single prolonged skin exposure is not likely to absorb harmful amounts.

Swallowed: Swallowing the liquid may result in vomiting. If vomiting occurs spontaneously, do not allow vomitus to be breathed into the lungs as even a small quantity in the lungs may result in chemical pneumonitis and pulmonary edema/hemorrhage. Single dose toxicity is low to moderate.

Chronic effects of exposure: Chronic overexposure has caused liver toxic effects in experimental animals.

Medical conditions generally aggravated by exposure: Acute and chronic liver disease and rhythm disorders of the heart.

## TOXICITY DATA

Threshold Limit Value: 350 ppm ACGIH PEL 350 ppm OSHA

Carcinogenicity: This material is not considered to be a carcinogen by the National Toxicology Program, The International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

(continued on page 3)

## PERSONNEL PROTECTION

Ventilation: Local mechanical exhaust ventilation capable of maintaining emissions at the point of use below the PEL or TLV.

Respiratory protection: NIOSH-Approved cannister respirator in the absence of adequate environmental controls at the point of use.

Eye protection: Chemical goggles.

Protective clothing: Long-sleeved shirt, trousers, safety shoes, rubber gloves, and rubber apron.

Other protective measures: An eyewash and safety shower should be nearby and ready for use.

## HAZARDOUS REACTIVITY

Stability: Stable.

Polymerization: Will not occur.

Conditions to avoid: Open flames, welding arcs, or other high temperature sources which may induce thermal decomposition.

Materials to avoid: Alkalies, oxidizing materials, water, moist air, powdered aluminum, powdered zinc, or their alloys. Do not package this product in aluminum containers.

Hazardous decomposition products: May liberate carbon monoxide, carbon dioxide, hydrogen chloride, chlorine, or phosgene.

## SPILL, LEAK, AND DISPOSAL PROCEDURES

Action to take for spills or leaks: Wear protective equipment including rubber boots, rubber gloves, rubber apron, chemical goggles, and respiratory protection. Extinguish all ignition sources. For small spills or drips, mop or wipe up and dispose of in DOT-Approved waste containers. For large spills, contain by diking with soil or other absorbent material and then pump into DOT-Approved waste containers or absorb with sorbent material and place the residue in DOT-Approved waste containers. Keep out of sewers, storm drains, surface waters, and soil. Comply with applicable governmental regulations on spill reporting, and handling and disposal of waste.

Disposal methods: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures. Note: Empty containers can have residues, gases and mists and are subject to proper waste disposal, as above.

(continued on page 4)

## SPECIAL PRECAUTIONS

Storage and Handling Precautions: Store in a cool, dry place. Vent container frequently, and more often in warm weather, to relieve pressure. Keep container tightly closed when not in use. Do not use pressure to empty container. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. *Do not smoke in presence of vapors.*

Repair and maintenance precautions: Do not cut, grind, weld or drill on or near this container.

Other precautions: Vapors of this product are heavier than air and will collect in low places, such as pits or degreasers, or other poorly ventilated areas. Do not enter places where vapors are suspected unless special respiratory protection is worn and an observer is present.

Containers, even those that have been emptied, will retain product residues and vapors. Always obey hazard warnings and handle empty containers as if they were full.

## NOTICE

All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, Sherwin Incorporated makes no warranty, representation or guaranty as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product. Additional product literature may be available upon request. Since actual use by others is beyond our control, no warranty, express or implied is made by Sherwin Incorporated as to the effects of such use, the results to be obtained or the safety and toxicity of the product, nor does Sherwin Incorporated assume any liability arising out of use by others of the product referred to herein. The data in this MSDS relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

.....

SHERWIN INCORPORATED, 5530 Borwick Ave., South Gate, CA 90280

213/861-6324